

Language Core Programming

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Mon. 30 Sept. 2013

All languages of nature come from the same source. Whether they be bird song, the song of the whale, the vibratory patterns of the chirality of the universe, the expression of the ved. In order to fully develop our experience of life, by right we should learn and practice all languages, both human and animal. This may seem a tall order, so, at present, I will restrict this paper to a short discussion on integrating the teaching of language with the teaching of computation, or as I call it at the beginning of this paper, *Language Core Programming*.

You know, you pick up language anywhere. There's a man I used to know, and I'm sitting on the seat where we used to chat, in the shopping centre at Wilton in Cork. Mr. Ryan was a former school teacher from near Lioscarrol North Cork, and he told me once that whenever the Department of Education needed advice about Irish, they used to come to him. That was of course before they became too arrogant, like all the other government agencies. Anyway I asked him for the Irish word for animation, and the word he gave me was *spionnadh*, which I like as it sounds similar to the English word spin. Another important word here is the word for drawing or design. I got this one from Páidrigh Ó Scanláin, whose sister had brought back my West Kerry Irish. I used to consult with him for a two year period, he was in the IDA office in Dingle. Unfortunately the IDA's development policy is so mis-guided that I was unable ever to formulate a proposal to satisfy their business development notions. Pádraigh gave me a copy of their guidelines for someone setting up a business or seeking some sort of grants, and I was appalled at the complete lack of any consideration for anyone developing a technological or scientific application. The only thing they had to say about science, was that if you were using a process likely to cause pollution, then you needed a special licence. They and Fórfas should be abandoned, for making us so dependent on Foreign Direct Investment. Any way, the word I got from Páidrigh was *dearadh*, not to be confused with *deireadh*, which means end.

Rather than analysing the so called problems within the educational system, I will give the system that I have developed which has allowed me to adapt a little part of my knowledge into at least one hundred and fifty languages, all without ever leaving the country. I offered this technique to the Dean of Arts in UCC about eight or nine years ago, but he could not understand the significance of my technique. I will record it now. In terms of Irish - English - Basque, which I happened to get during a recent visit to Cape Clear Island. We begin with naming the numbers, firstly in Irish, then English, then Basque, doing them one at a time.

Áon One Bat

Dó Two Bi

Trí Three Hiru

Ceathar Four Lav

Cúig Five Bost

Sé Six Sei

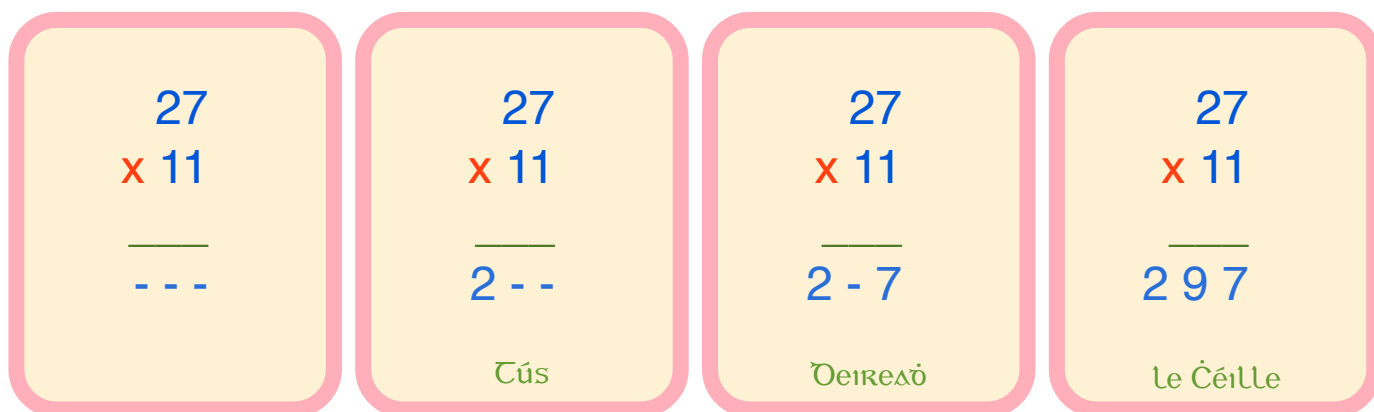
Seacht Seven Zazpi

Ocht Eight Zortzi

Naoi Nine Bederatzi

Deich Ten Hamak

Once this is done we use a very simple phrase, again beginning in Irish. The phrase is Tús Deireadh le Chéille, First Last Together, Lehenengoa Azkena Bilera/Bilketa/Batura. We don't explain what it means until we get the words, then we tell the recipient, in my case a Basque lady living in Spain, that it is a technique for multiplication by 11. This is probably the most important multiplication that a student will ever learn, as according to the current system, it is when a student needs to do long multiplication, which in my system of computation is totally unnecessary. The diagrams below illustrate the process.



During the course of my R&D on the Simple Sums project I developed techniques to animate these and many other processes. I developed the concept of an animated calculator, where rather than being given the solution, students are shown a technique, normally very simple to perform a computation. There are literally hundreds of techniques, many of which are eminently suitable for animation. These could be delivered by phone, or other mobile devices. These techniques are very suitable for people wishing to learn a new language, also it resolves a major issue within our educational system, at the moment, and that relates to that portion of the constitution which declares that the family is the natural educator of the children. I will insist that if these techniques are being taught in our schools, then they must be made available in all languages. This ensures that the parents parental role is not usurped by the Department of Education, as it is at present.

That's the very beginning of Language Core Programming, and it goes way beyond PhD level.

Currently I am working with my assistant Dr. Seun Ore, to develop the correlation, where the target language is Yoruba.

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